



# NANONICS CONNECTORS

ACCORDING TO MIL-DTL-32139

QPL-Approved Nanominiature Connectors Offering  
Space- and Weight-Saving Durability and Intermateability/  
Interchangeability with Other M32139 Connectors

# NANONICS CONNECTORS

According to MIL-DTL-32139



## Versatile, Durable Dual-Row Assemblies

An important addition to our line of nanominiature rectangular connectors, our new two-row Nanonics connector assemblies are qualified to MIL-DTL-32139 specifications.

### ENVIRONMENTAL/MECHANICAL

- **Operating Temperatures:** -65°C to +125°C
- **Durability:** 200 mating cycles

### MATERIALS

- **Shell:** Electroless nickel-plated aluminum or passivated stainless steel
- **Contacts:** Gold-plated copper alloy

### ELECTRICAL

- **Dielectric Withstanding Voltage:** 250 V at sea level, 100 V at 70,000 feet

### FLYING LEADS

- **Size:** 30 AWG, 7 strand
- **Conductor:** Silver-plated copper or high-strength copper alloy
- **Insulation:**
  - DX:** White PTFE (NEMA HP3-ETXBBB9)
  - DM:** Color-coded PTFE (NEMA HP3-ETE BBB( ), MIL-STD-681, System 1 color coding)
  - DT:** White ETFE (M22759/33-30-9)
  - TM:** Color-coded ETFE (M22759/33-30-( ), MIL-STD-681, System 1 color coding)
- **Standard Lengths:** 6, 18, 36 inches

## SIZE AND WEIGHT SAVINGS

- Ultra-compact
- .025" contact centerline
- Small form factor and narrow footprint

## RELIABLY RUGGED

- Keying feature helps eliminate mismatching and prevent stubbing
- 200 mating cycles
- Corrosion-resistant shells help withstand harsh environments

## COST SAVINGS

- Factory-terminated leads help reduce installation costs
- Captive plug jackscrews eliminate need for additional accessory hardware

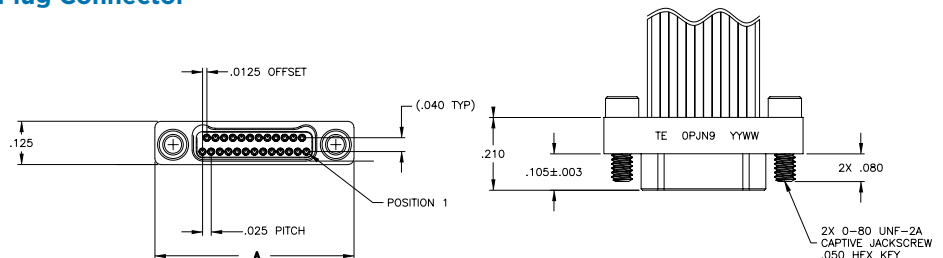
## VERSATILE

- Range of shell finishes, wire types, and lead lengths
- Intermateable/interchangeable with competitive MIL-DTL-32139 products
- Seven sizes from 9 to 51 positions

## APPLICATIONS

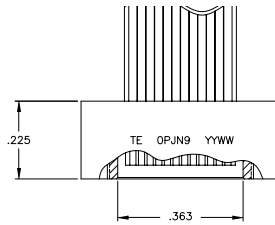
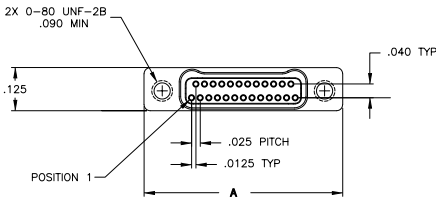
- Aerospace and Defense
- Test and Measurement
- Marine, Oil, and Gas
- Commercial Air

## Plug Connector



No. of Positions	Dim A
9	.375
15	.450
21	.525
25	.575
31	.650
37	.725
51	.900

## Receptacle Connector



No. of Positions	Dim A
9	.375
15	.450
21	.525
25	.575
31	.650
37	.725
51	.900

### Part Numbers: Electroless Nickel-Plated Aluminum Shell

Contact TE for other configurations and shell types

Positions	Wire Type	Part No.					
		6" Lead		18" Lead		36" Lead	
		Plug	Rcpt	Plug	Rcpt	Plug	Rcpt
9	DX	1925214-1	1925221-1	1925214-3	1925221-3	1925214-5	1925221-5
	DM	1925214-7	1925221-7	1925214-9	1925221-9	1-1925214-1	1-1925221-1
	DT	1-1925214-3	1-1925221-3	1-1925214-5	1-1925221-5	1-1925214-7	1-1925221-7
	TM	1-1925214-9	1-1925221-9	2-1925214-1	2-1925221-1	2-1925214-3	2-1925221-3
15	DX	1925215-1	1925222-1	1925215-3	1925222-3	1925215-5	1925222-5
	DM	1925215-7	1925222-7	1925215-9	1925222-9	1-1925215-1	1-1925222-1
	DT	1-1925215-3	1-1925222-3	1-1925215-5	1-1925222-5	1-1925215-7	1-1925222-7
	TM	1-1925215-9	1-1925222-9	2-1925215-1	2-1925222-1	2-1925215-3	2-1925222-3
21	DX	1925216-1	1925223-1	1925216-3	1925223-3	1925216-5	1925223-5
	DM	1925216-7	1925223-7	1925216-9	1925223-9	1-1925216-1	1-1925223-1
	DT	1-1925216-3	1-1925223-3	1-1925216-5	1-1925223-5	1-1925216-7	1-1925223-7
	TM	1-1925216-9	1-1925223-9	2-1925216-1	2-1925223-1	2-1925216-3	2-1925223-3
25	DX	1925217-1	1925224-1	1925217-3	1925224-3	1925217-5	1925224-5
	DM	1925217-7	1925224-7	1925217-9	1925224-9	1-1925217-1	1-1925224-1
	DT	1-1925217-3	1-1925224-3	1-1925217-5	1-1925224-5	1-1925217-7	1-1925224-7
	TM	1-1925217-9	1-1925224-9	2-1925217-1	2-1925224-1	2-1925217-3	2-1925224-3
31	DX	1925218-1	1925225-1	1925218-3	1925225-3	1925218-5	1925225-5
	DM	1925218-7	1925225-7	1925218-9	1925225-9	1-1925218-1	1-1925225-1
	DT	1-1925218-3	1-1925225-3	1-1925218-5	1-1925225-5	1-1925218-7	1-1925225-7
	TM	1-1925218-9	1-1925225-9	2-1925218-1	2-1925225-1	2-1925218-3	2-1925225-3
37	DX	1925219-1	1925226-1	1925219-3	1925226-3	1925219-5	1925226-5
	DM	1925219-7	1925226-7	1925219-9	1925226-9	1-1925219-1	1-1925226-1
	DT	1-1925219-3	1-1925226-3	1-1925219-5	1-1925226-5	1-1925219-7	1-1925226-7
	TM	1-1925219-9	1-1925226-9	2-1925219-1	2-1925226-1	2-1925219-3	2-1925226-3
51	DX	1925220-1	1925227-1	1925220-3	1925227-3	1925220-5	1925227-5
	DM	1925220-7	1925227-7	1925220-9	1925227-9	1-1925220-1	1-1925227-1
	DT	1-1925220-3	1-1925227-3	1-1925220-5	1-1925227-5	1-1925220-7	1-1925227-7
	TM	1-1925220-9	1-1925227-9	2-1925220-1	2-1925227-1	2-1925220-3	2-1925227-3

## For More Information

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